

Amendments to the Drawings:

The attached sheets of drawings are replacement sheets for all sheets of drawings originally submitted. Included among these sheets are the sheets containing FIGS. **3a**, **3b**, and **4**, with changes to each of these three drawings. These changes are the insertion of the numeral **41** to both FIGS. **3a** and **3b**, and the insertion of the numeral **53** to FIG. **4**.

Attachment: Replacement Sheets

REMARKS/ARGUMENTS

The amendment to claim 1 is an incorporation of the recitations of claim 2, now canceled. The amendment to claim 4 is an adjustment to the claim wording to conform to the amendment to claim 1. The amendments to claims 9 and 10 are conversions of these claims to independent form incorporating in each case the limitations of original claims 1 and 4. New claim 14 is a repeat of claim 13 but dependent on claim 10 rather than claim 4. No new matter is presented.

The objection to the drawings is corrected in the attached replacement drawings.

The acknowledgement of the allowability of claims 9-13 is noted with appreciation. Applicant submits however that the subject matter of original claim 2, incorporated into claim 1 by the present amendment, is allowable as well, as neither Hanes et al., Tanaka et al., nor Shima disclose or suggest the invention recited in this claim. Accordingly, reconsideration is respectfully requested.

The distinguishing limitation in former claim 2, now in claim 1, is the use of a pressure transducer to generate an electrical signal to indicate the displacement of the rotor. The pressure sensors in Hanes et al. are "pressure meters" rather than transducers. Signals generated by pressure meters are simply pressure signals. Meters and transducers operate on different principles and are not recognized in the art as equivalent components. The Tanaka et al. patent has not been cited against Applicants' claim 2, and Applicants agree with the examiner that this reference is neither anticipatory of the claim nor does it render the claim obvious. The Shima patent includes mention of both hydrostatic and hydrodynamic pressure, but the only pressure sensing devices that Shima discloses are pressure gauges. Again, gauges and transducers are not equivalents. In summary, none of the cited references either anticipate or render obvious the subject matter of claim 1 as amended herein.

In view of the foregoing, Applicants believe all claims pending in this Application after the entry of the present amendment are in condition for allowance, and reconsideration is respectfully requested. Should any matters remain than can be resolved by a personal conference

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with Applicant's attorney, the Examiner is encouraged to telephone the undersigned at 415-576-0200.

Respectfully submitted,



M. Henry Heines
Reg. No. 28,219

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834
Tel: 415-576-0200
Fax: 415-576-0300
Attachments
MHH:mhh
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